CNM Workshop 3: CO₂ Capture and Conversion into Value Added Products

Monday, May 2, Morning

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9:00 – 9:05	Welcome
9:05 – 9:35	Ted Sargent (Northwestern University) CO ₂ Electroreduction to Fuels and Chemicals
9:35 – 10:05	Ah-Hyung Alissa Park (Columbia University) Structure and Transport Behaviors of Liquid-like Nanoparticle Organic Hybrid Materials Designed for Combined CO ₂ Capture and Conversion
10:05 – 10:35	Di-Jia Liu (Argonne National Laboratory) Challenges and Design Principle for Electrocatalytic Conversion of CO ₂ to C ₂ + Chemicals
10:35 – 10:45	Questions and Break
10:45 – 11:15	Alan Hatton (Massachusetts Institute of Technology) Electrochemical Control of CO ₂ Separation Processes
11:15 – 11:45	Matteo Cargnello (Stanford University) Nanocrystal-based Catalysts for CO ₂ Hydrogenation to Fuels and Chemicals
11:45 – 12:15	Francesca Toma (Lawrence Berkeley National Laboratory) (Photo)electrocatalysis at Work
12:15 – 12:30	Questions and Closing Remarks

Tuesday, May 3, Morning

9:00 – 9:05	Welcome
9:05 – 9:35	Akihiko Kudo (Tokyo University of Science) Photocatalytic CO ₂ Fixation Using Water as an Electron Donor
9:35 – 10:05	Andrew Bocarsly (Princeton University) Electrocatalytic Formation of Useful Organics and Fuels from CO ₂ Using Binary Alloys
10:05 – 10:35	Maria Chan (Argonne National Laboratory) Modeling and Characterization of Cu2O Surfaces
10:35 – 10:45	Questions and Break

- 10:45 11:15 Yimin Wu (University of Waterloo)

 Semiconductor Assisted Photocatalysis for CO₂ Reduction to Liquid Solar Fuels
- 11:15 11:45 Karen Mulfort (Argonne National Laboratory) *Title TBA*
- 11:45 12:15 Nikolai Gaponik (Technische Universitaet Dresden)
 Nanocrystal Aerogels as Emerging Self-supporting Catalysts for
 CO₂ Photoconversion
- 12:15 12:30 Questions and Closing Remarks